Datasheet for ABIN969538

anti-MELK antibody (AA 637-651)

5 Images | 2 Publications

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Overview

Quantity:	0.1 mg
Target:	MELK
Binding Specificity:	AA 637-651
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Synthesized peptide of human MELK(AA: 637-651:C-VYKRLVEDILSSCKV).
Sequence:	VYKRLVEDIL SSCKV
Clone:	2G2
Isotype:	IgG2a

Target Details

Target:	MELK
Alternative Name:	MELK (MELK Products)
Background:	Description: Maternal embryonic leucine-zipper kinase (MELK) is a key regulator of survival of stemlike GBM cells in vitro. MELK expression is increased in breast cancer tissue and this increase is also associated with poor patient survival, as predicted for a candidate oncogene. Aliases: HPK38

Target Details

Molecular Weight:	74.6 kDa
Gene ID:	9833
HGNC:	9833

Application Details

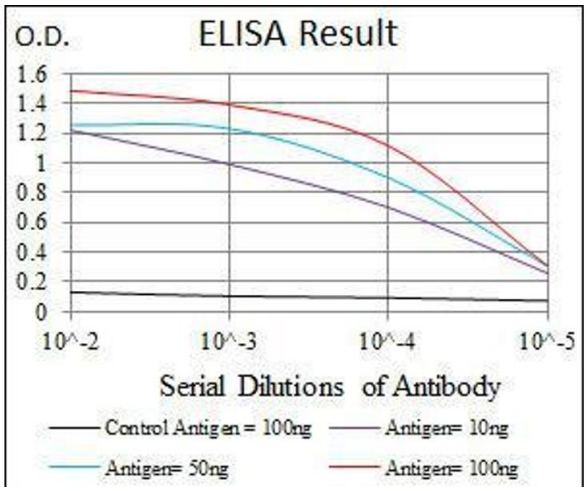
Application Notes:	ELISA: 1:10000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

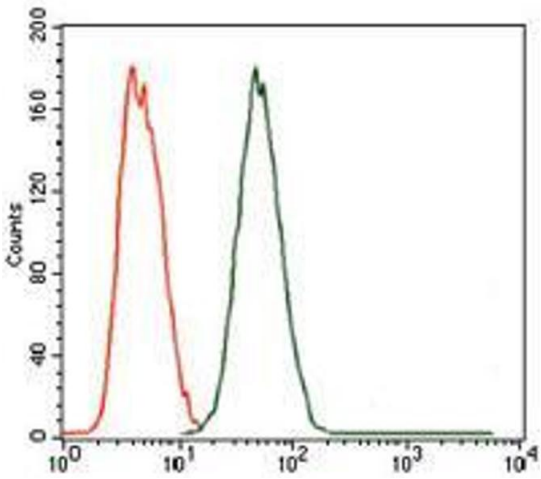
Publications

Product cited in:	Koc, Cimen, Kumcuoglu, Abu, Akpinar, Haque, Spremulli, Koc: "Identification and characterization of CHCHD1, AURKAIP1, and CRIF1 as new members of the mammalian mitochondrial ribosome." in: **Frontiers in physiology**, Vol. 4, pp. 183, (2013) (PubMed).



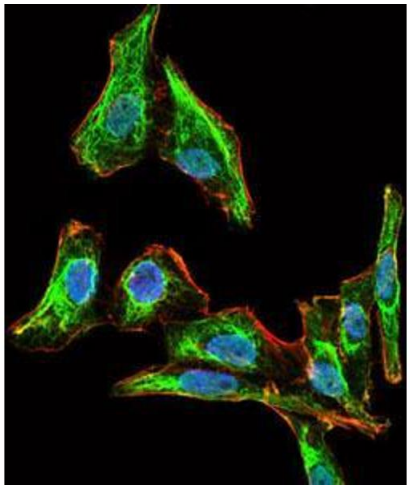
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Flow Cytometry

Image 2. Flow cytometric analysis of MCF-7 cells using MELK mouse mAb (green) and negative control (red).



Immunofluorescence

Image 3. Immunofluorescence analysis of HepG2 cells using MELK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Please check the product details page for more images. Overall 5 images are available for ABIN969538.